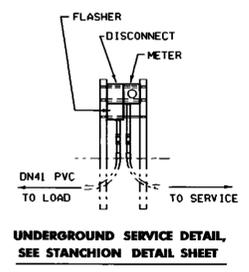


AERIAL SERVICE WITHOUT LUMINAIRE

SEE STANDARD
E-175M



**UNDERGROUND SERVICE DETAIL
SEE STANCHION DETAIL SHEET**

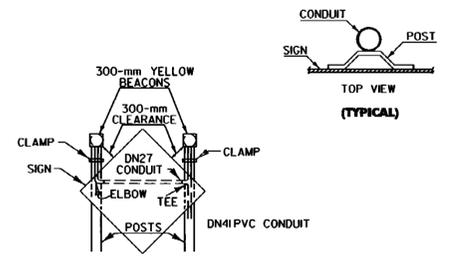
NOTE:

THE CONTRACTOR SHALL SUPPLY AND INSTALL THE INDICATED EQUIPMENT AND ALL NECESSARY HARDWARE SUCH AS BEACONS, 4.5 kg/m FLANGED CHANNEL POST(S), WIRE (3.31 mm² AWG MIN.) METER SOCKET, OTHER EQUIPMENT AS MENTIONED IN POWER SOURCE NOTE (SEE RIGHT), CONDUIT, POLE, RISER WITH WEATHERHEAD, POWER DROP STANCHION, JUNCTION BOX, AND OTHER MISC. MATERIALS AND HARDWARE TO MAKE THE BEACONS OPERATIONAL.

BOTTOM OF BEACON SHALL BE MIN. 2.4 m AND A MAX. OF 3.6 m ABOVE EDGE OF TRAVELED WAY.

A CLAMPING DEVICE AS APPROVED BY THE ENGINEER SHALL BE USED TO ATTACH THE CONDUIT TO THE SIGN POSTS.

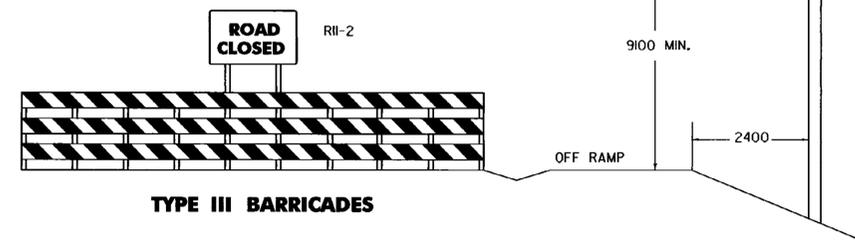
**HAZARD IDENTIFICATION BEACON INSTALLATION
FLANGED CHANNEL STEEL SIGN SUPPORT**



DOUBLE BEACON INSTALLATION

POWER SOURCE NOTE:

THE FLASHING ARROW PANEL MAY BE POWERED BY A PORTABLE DIESEL GENERATOR AT INSTALLATIONS WHICH WILL REMAIN IN SERVICE FOR LESS THAN SIX MONTHS. INSTALLATIONS WHICH WILL REMAIN IN PLACE FOR SIX MONTHS OR MORE SHALL HAVE A PERMANENT POWER SOURCE AND ALSO SHALL HAVE A LUMINAIRE ERRECTED AS INDICATED AT RIGHT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE UTILITY COMPANY TO PROVIDE A POWER SOURCE ETC. FOR THE LUMINAIRE AND FLASHING ARROW PANEL INSTALLATIONS.



TYPE III BARRICADES

BARRICADE MATERIALS -

TYPE III BARRICADES ON THIS SHEET SHALL COMPLY WITH STANDARD SHEET E-107AM. THE ROAD CLOSED SIGN SHALL BE MOUNTED ON A TYPE III MODIFIED BARRICADE AND SHALL COMPLY WITH STANDARD SHEET E-107AM.

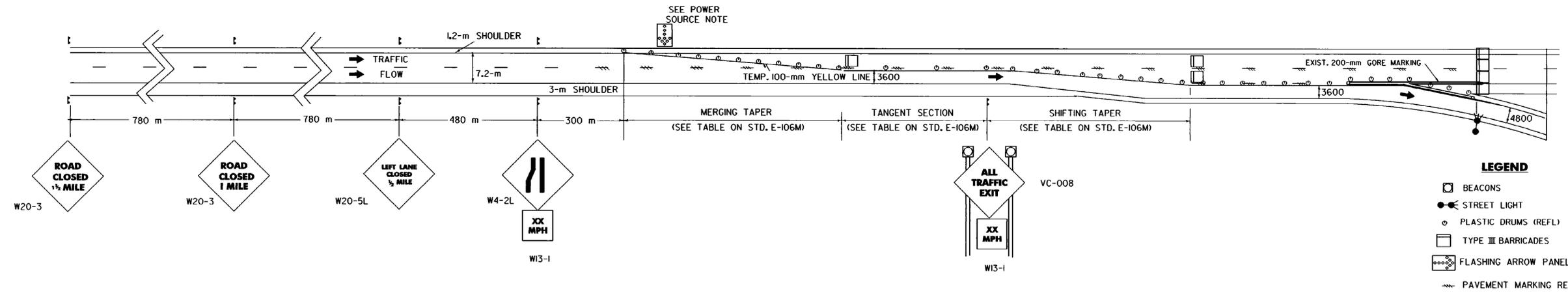
SIGNS, COLORS AND MATERIALS -

THE SIZES OF SIGNS SHALL BE AS INDICATED ON THE PLANS. THEY SHALL HAVE REFLECTORIZED WHITE BACKGROUND WITH BLACK TEXT AND BORDER.

* ALL SIGN BASE AND REFLECTIVE MATERIALS SHALL BE AS SHOWN ON STD. E-100M.

NOTES

- 1) IF THE SIGNS WILL REMAIN IN PLACE FOR THREE DAYS OR MORE THEN ALL SIGNS SHALL BE PERMANENTLY INSTALLED ON APPROPRIATE SIZE YIELDING POSTS. IF THE SIGNS WILL BE IN PLACE FOR LESS THAN THREE DAYS THEN THE SIGNS MAY BE INSTALLED ON TEMPORARY SUPPORTS WITH THE BOTTOM EDGE OF THE SIGNS AT LEAST 300 mm ABOVE THE PAVEMENT.
- 2) ALL DISTANCES ARE DESIRABLE SPECIFICATIONS. FIELD CONDITIONS SHALL CONTROL THE ACTUAL PLACEMENT.
- 3) WHEN THE FREEWAY FACILITY IS CLOSED TO THRU TRAFFIC AND IS NOT TERMINATED, A SIGN PACKAGE USING ROAD CLOSED SIGNS SHOULD BE USED.
- 4) THE NUMBER OF CHANNELIZING DEVICES, TYPE III BARRICADES AND OTHER TRAFFIC CONTROL DEVICES SHOWN ON THIS SHEET ARE FOR ILLUSTRATIVE PURPOSES ONLY. THE ACTUAL NUMBER REQUIRED SHALL BE DETERMINED BY DETOUR CONDITIONS (TAPERS, SPEED LIMITS, LENGTH OF DETOURS, ETC.).



LEGEND

- BEACONS
- STREET LIGHT
- PLASTIC DRUMS (REFL)
- ▭ TYPE III BARRICADES
- ▭ FLASHING ARROW PANEL
- PAVEMENT MARKING REMOVAL

NTS

OTHER STDS. REQUIRED: E-100M E-101M E-102M E-102AM E-106M E-107AM E-175M

NOTE: ALL DIMENSIONS ARE IN MILLIMETERS (mm) EXCEPT WHERE NOTED.

REVISIONS AND CORRECTIONS
JUNE 13, 1997 - ORIGINAL APPROVAL DATE

APPROVED
[Signature]
DIRECTOR OF ENGINEERING
[Signature]
DIRECTOR OF CONSTRUCTION AND MAINTENANCE

**TRAFFIC CONTROL DEVICES
FOR TEMPORARY TERMINATION
OF FREEWAY FACILITIES**



**Metric
STANDARD
E-109 M**